

IN THE CLAIMS

Pursuant to 37 CFR §121(c), the claim listing, including the text of the claims, will serve to replace all prior versions of the claims, in the application.

Please cancel claims 2-22 without prejudice or disclaimer of their subject matter, amend claim 1 and newly add claims 23-31 as follows:

1 1. (Currently Amended) A high-speed wireless data system for providing services for
2 terminals of either a public wireless network or a private wireless network, the system
3 comprising:

4 ~~a base station for assigning an UATI to each of the terminals of the public wireless~~
5 ~~network and the private wireless network through a wireless channel to provide services of~~
6 ~~the high-speed wireless data system for each of the terminals;~~

7 ~~— a base station controller for performing different authentications for the terminals~~
8 ~~according to the public wireless network and the private wireless network to one of which~~
9 ~~each of the terminals belongs, assignment of an UATI to each of the terminals, management~~
10 ~~of a session for each of the terminals, and control of data transmitted to or received by each~~
11 ~~of the terminals;~~

12 ~~— a private authentication system including an authentication database for~~
13 ~~authenticating the terminal of the private wireless network;~~

14 ~~— a data location register having service information of the public wireless network~~
15 ~~terminal and information for receiving services from the private wireless network of the~~

16 ~~private wireless network terminal;~~

17 ~~— a private packet data service node for providing private wireless data services to the~~
18 ~~terminal of the private wireless network;~~

19 a first hub configured for relaying to relay data between [[the]] a base station in the
20 private wireless network, [[the]] a base station controller in the private wireless network,
21 [[the]] a private packet data service node and [[the]] a private authentication system, when
22 ~~including a specific server address in a Unicast Access Terminal Identifier (UATI) assigned~~
23 ~~to a terminal, requesting a call connection or a destination address related to a part of a~~
24 ~~receiver, and transmitting a~~ to receive a call connection request signal from a terminal
25 through the base station, to transmit the call connection request signal of the terminal to the
26 base station controller when a sever address included in a Unicast Access Terminal Identifier
27 (UATI) assigned to the terminal or in a destination address in association with the call
28 connection request signal is the same as a sever address of the first hub and to transmit the
29 call connection request signal to a second hub when said sever address included in the
30 Unicast Access Terminal Identifier (UATI) or in the destination address is not the same as
31 said sever address of the first hub ~~in response to the address information being the same, the~~
32 ~~first hub having a specific server address; and~~

33 [[a]] the second hub connected to a public base station, a public base station
34 controller, the data location register and a public network packet data service node while
35 being connected to the first hub, the second hub receiving the call connection request signal
36 of the terminal from the first hub ~~to be transmitted when said specific server address is not~~

37 ~~included~~, and transmitting the call connection request signal to the public network base
38 station controller.

Claims 2-22. (Canceled)

1 23. (New) A call connection method of high-speed wireless data system for providing
2 services for terminals of either a public wireless network or a private wireless network, the
3 method comprising:
4 receiving, by the first hub, a call connection request signal from a terminal through
5 a base station in the private wireless network;
6 transmitting, by a first hub, the call connection request signal to the base station
7 controller when a server address included in a Unicast Access Terminal Identifier (UATI)
8 assigned to the terminal or in a destination address in association with the call connection
9 request signal is the same as a sever address of the first hub;
10 transmitting, by the first hub, the call connection request signal to a second hub when
11 said sever address included in the Unicast Access Terminal Identifier (UATI) or in the
12 destination address is not the same as said sever address of the first hub; and
13 receiving, by the second hub, the call connection request signal of the terminal from
14 the first hub and transmitting the call connection request signal to the public network base
15 station controller;
16 wherein the first hub is configured to relay data between the base station, a base station

17 controller in the private wireless network, a private packet data service node, and a private
18 authentication system and the second hub connected to a public base station, a public base
19 station controller, the data location register, and a public network packet data service node
20 while being connected to the first hub.

1 24. (New) The method according to claim 23, wherein:

2 the base station assigns an UATI to each of the terminals of the public wireless
3 network and the private wireless network through a wireless channel to provide services of
4 the high-speed wireless data system for each of the terminals; and

5 the base station controller performs different authentications for the terminals
6 according to the public wireless network and the private wireless network to one of which
7 each of the terminals belongs, assignment of an UATI to each of the terminals, management
8 of a session for each of the terminals, call connection and control of data transmitted to or
9 received by each of the terminals.

1 25. (New) The method according to claim 24, wherein the base station and the base
2 station controller assign an IP address for performing an IP telecommunication, and process
3 data and signaling for the assigned address.

1 26. (New) The method according to claim 25, wherein:

2 the private authentication system includes an authentication database for

3 authenticating the terminal of the private wireless network;

4 the data location register having service information of the public wireless network
5 terminal and information receives services from the private wireless network of the private
6 wireless network terminal; and

7 the private packet data service node provides private wireless data services to the
8 terminal of the private wireless network.

1 27. (New) The system according to claim 1, wherein:

2 the base station assigns an UATI to each of the terminals of the public wireless
3 network and the private wireless network through a wireless channel to provide services of
4 the high-speed wireless data system for each of the terminals;

5 the base station controller performs different authentications for the terminals
6 according to the public wireless network and the private wireless network to one of which
7 each of the terminals belongs, assignment of an UATI to each of the terminals, management
8 of a session for each of the terminals, call connection and control of data transmitted to or
9 received by each of the terminals;

10 the private authentication system includes an authentication database for
11 authenticating the terminal of the private wireless network;

12 the data location register having service information of the public wireless network
13 terminal and information receives services from the private wireless network of the private
14 wireless network terminal; and

15 the private packet data service node provides private wireless data services to the
16 terminal of the private wireless network.

1 28. (New) The system according to claim 27, wherein the base station and the base
2 station controller assign an IP address for performing an IP telecommunication, and process
3 data and signaling for the assigned address.

1 29. (New) The system according to claim 27, wherein, upon the terminal of the
2 private wireless network also being used in the public wireless network, the data location
3 register stores terminal information of both the private wireless network and the public
4 wireless network in the terminal and assigns the UATI of the private wireless network to the
5 terminal when the terminal is located within a range of a predetermined base station.

1 30. (New) The system according to claim 27, wherein the data location register
2 assigns the UATI of the private network to a corresponding terminal, when the terminal is
3 located within a predetermined base station in a predetermined time zone.

1 31. (New) The system according to claim 27, wherein the private authentication
2 system further includes a database for authentication of the terminal of the public wireless
3 network.